

WHAT IS CLAIMED IS:

1. An image processing method of generating a conversion
condition for a scanner which is used for reading an image
5 and generating image data, said method comprising the steps
of:

obtaining a reading property of an object scanner
based on image data obtained by that the object scanner
reads a chart; and

10 generating the conversion condition for the object
scanner based on the reading property of the object scanner,
a previously prepared reading property of a standard
scanner and a previously prepared brightness-density
conversion condition for the standard scanner.

15 2. An image processing method as claimed in claim 1,
wherein said generating step combines an inverse function
of input level-brightness conversion property of the
object scanner, an input level-brightness conversion
20 property of the standard scanner, and the brightness-
density conversion condition of the standard scanner so
as to generate the conversion condition for converting an
input level in the object scanner to density data in the
standard scanner.

25 3. An image processing method as claimed in claim 1
further comprising the steps of:

inputting image data obtained by that the object scanner reads a chart formed by image forming means;

converting the input image data to density data by using the conversion condition generated; and

5 calibrating a correction condition for the image forming means based on the density data.

4. An image processing method of generating a correction condition for a scanner used when calibrating a correction condition for image forming means; said method comprising
10 the steps of:

 holding a correction condition for a standard scanner;

 judging as to whether the scanner used for calibration is the standard scanner or not;

15 executing generation of the correction condition for the scanner when the scanner is not judged to be the standard scanner; and

 not executing generation of the correction condition for the scanner when the scanner is judged to be the
20 standard scanner.

5. An image processing apparatus for generating a conversion condition for a scanner which is used for reading an image and generating image data, said apparatus
25 comprising:

 means for obtaining a reading property of an object scanner based on image data obtained by that the object

image data,

said method comprising the steps of:

obtaining a reading property of an object scanner
based on image data obtained by that the object scanner
5 reads a chart; and

generating the conversion condition for the object scanner based on the reading property of the object scanner, a previously prepared reading property of a standard scanner and a previously prepared brightness-density conversion condition for the standard scanner.

8. A storage medium storing a program readably by a computer, the program being for realizing an image processing method of generating a correction condition for a scanner used when calibrating a correction condition for image forming means;

said method comprising the steps of:

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        holding a correction condition for a standard scanner;
        judging as to whether the scanner used for calibration
20  is the standard scanner or not;

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executing generation of the correction condition for the scanner when the scanner is not judged to be the standard scanner; and

not executing generation of the correction condition
25 for the scanner when the scanner is judged to be the
standard scanner.

image printed by the printing apparatus;

executing the calibration by renewing brightness-density conversion data obtained based on a reading property of the reading device, a previously prepared predetermined reading property and a previously prepared
5 brightness-density conversion condition corresponding to the predetermined reading property; and

measuring density of the predetermined image by means
of the reading device which has been subject to calibration
10 by said calibration step; and

generating calibration data for the calibration for the printing apparatus based on a result of measurement in said measuring step.

14. A calibration method as claimed in claim 13, wherein
renewing brightness-density conversion data is performed
by selecting brightness-density conversion data
corresponding to the reading device relating to the
calibration from previously prepared plurality of
brightness-density conversion data.

15. An information processing apparatus for performing a calibration for a printing apparatus, said apparatus comprising:

25 reading control means for controlling a reading device
for reading a predetermined image printed by the printing
apparatus;

executing means for executing the calibration by
renewing brightness-density conversion data obtained
based on a reading property of the reading device, a
previously prepared predetermined reading property and a
5 previously prepared brightness-density conversion
condition corresponding to the predetermined reading
property; and

generating means for generating calibration data for
the calibration for the printing apparatus based on a
10 density measurement result measured by, under the control
of said reading control means, the reading device which
has been subject to calibration by said executing means.

16. An information processing apparatus as claimed in
15 claim 15, wherein said executing means renews
brightness-density conversion data by selecting
brightness-density conversion data corresponding to the
reading device relating to the calibration from previously
prepared plurality of brightness-density conversion data.